

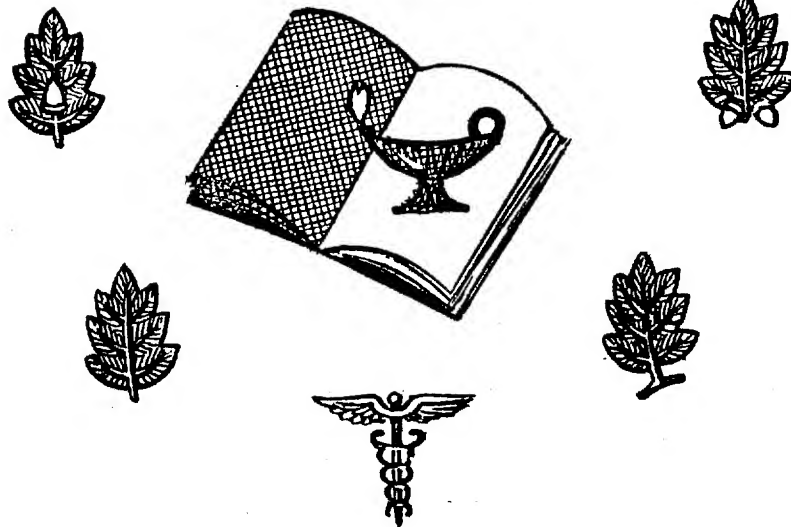
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THE MEDICAL DEPARTMENT CORRESPONDENCE COURSES

NAVY review(s) completed.

DEPARTMENT OF THE NAVY
BUREAU OF MEDICINE AND SURGERY



Administered By
Commanding Officer
U. S. NAVAL MEDICAL SCHOOL
Correspondence Training Division
NATIONAL NAVAL MEDICAL CENTER
BETHESDA 14, MARYLAND

THE
MEDICAL DEPARTMENT
CORRESPONDENCE
COURSES
DEPARTMENT OF THE NAVY
BUREAU OF MEDICINE AND SURGERY

Revised
March 1959

Administered By
COMMANDING OFFICER
U. S. NAVAL MEDICAL SCHOOL
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MEDICAL DEPARTMENT CORRESPONDENCE COURSES

PURPOSE AND MISSION

The correspondence course program of the Bureau of Medicine and Surgery is administered by the U. S. Naval Medical School, Bethesda, Maryland and is designed for the purpose of training Medical Department personnel in medical-military functions and responsibilities of the Navy Medical Service. The objective of the training program is to enable Naval personnel (whether on active or inactive status) to enhance their knowledge and proficiency in duties of rank or rate through independent study during off-duty hours.

The training program provides Naval Reserve officers with an additional means of earning non-disability retirement and promotion point credit, and Regular and Reserve Navy officer personnel an alternate method by which they may either wholly or in part qualify for promotion. Evidence in hand of satisfactory completion of specified correspondence courses will gain for the enrollee exemption from specific written examinations. Regular Navy enlisted personnel may use this method of training to qualify for advancement. Inactive Naval Reserve enlisted personnel may earn non-disability retirement points and become better qualified to perform their medical-military duties.

In general, official Naval regulations, reference manuals and training manuals are used as study materials. Whenever specific textbooks are required, they are purchased by the Navy and supplied to the enrollee; these materials are supplemented by study guides composed of special instructions and assignments. Since the assignments are study aids, the questions are answered with the textbook open; a course may include from one to sixteen assignments.

Within the limits of medical application, the battery of available courses presents a wide choice for the enrollee. The courses include not only those related to specific duties of personnel, but also those which will help to broaden their knowledge of medical-military naval subjects, and to keep abreast of the latest developments.

The Naval Medical School welcomes new participants in the Correspondence Training Program. Since the courses are currently provided for Regular and Reserve officers and enlisted personnel of the Medical Department of the Armed Forces, officers of the United States Public Health Service and Foreign Armed Forces Medical Department personnel, an optimal distribution of naval training is thus attained. This total participation increases the availability of training material and promotes an excellent exchange of medical department training information and training aids. It may give rise to a new source of technical assistance, available for the benefit and welfare of all forces in the preparation of future training programs.

GENERAL INFORMATION

Classification

ALL COURSES IN THIS CATALOG ARE UNCLASSIFIED.

Eligibility

Medical Department correspondence courses described in the catalog are available at no cost for use by Regular and Reserve officers and enlisted personnel of the Armed Forces, as well as officers of the United States Public Health Service and Foreign Armed Forces Medical Department personnel.

Application Instructions

1. The form, Application for Enrollment in Officer Correspondence Course, NavPers 992 (Rev 2/58) or later revision, should be appropriately filled out and forwarded to the Commanding Officer, U. S. Naval Medical School, National Naval Medical Center, Bethesda 14, Maryland. Make the appropriate change in the "To" line in Box J of the application form. These forms can be obtained from your Commanding Officer or from the respective District Headquarters.
2. Completed applications will be forwarded as follows:
 - a. If on active duty: via your Commanding Officer.
 - b. If on inactive duty and not in a training program under the cognizance of the Chief of Naval Air Reserve Training (CNART): via your Naval District Commandant.
 - c. If on inactive duty and in a training program under the cognizance of CNART: via the Commanding Officer of NAS or NARTU having responsibility for the training program.
 - d. If on inactive duty and residing in a foreign country: via
(1) the local Naval Attache or Force Commander, if any, and
(2) the command maintaining your service record (usually your home District Commandant).
 - e. Foreign Armed Forces Medical Department Personnel: In accordance with paragraph 348d, OPNAVINST 4950.1B.
3. Caution! DO NOT send applications for enrollment in Medical Department correspondence courses to the U. S. Naval Correspondence Course Center, Naval Supply Depot, Scotia 2, New York. Such procedure delays the processing of the application for several weeks. Send to that address only applications for enrollment in courses administered by that center.

Multiple enrollment

Medical personnel may be enrolled in more than one Medical Department correspondence course at one time.

Materials

Texts and materials required to complete the assignments are furnished the enrollee. Letter of satisfactory completion will NOT be issued until such time as all texts have been returned to this command.

Requirements for completion

All text material other than the question booklet and answer sheets must be returned prior to issue of letters of satisfactory completion. A minimum of one assignment must be submitted monthly. The minimum passing grade is 3.40 for officers and 3.20 for enlisted personnel. Enrollees may resubmit assignments on which a mark of less than the minimum standard was obtained. Assignments which are resubmitted must be prepared and forwarded within thirty (30) days. Original assignments are not returned until such time as the enrollee has resubmitted or has indicated his intentions not to resubmit the assignment in question. However, for the satisfactory completion of the resubmitted assignments, the enrollee will be graded no higher than the minimum passing grade. The date of completion of the course, or of a course unit, is the date the last assignment of the course, or course unit, is deposited in the mails by the enrollee.

Naval Reserve officer records

The Reserve Officer Recording Activity (RORA) in Omaha, Nebraska, maintains a record for each officer of the Naval Reserve. In this record are entered all promotion points and non-disability retirement points earned by the officer. Correspondence course points are credited as follows:

1. If a course carries 12 points or less credit, the points are credited upon satisfactory completion of the entire course.
2. If a course carries more than 12 points credit, the points are credited upon completion of each 12-point unit and upon the final unit of the course.

Naval Reserve enlisted personnel

Personnel receive letters of satisfactory completion upon completion of the entire course. Completion letters will include the date of completion of each assignment of the course. Non-disability retirement point credit is credited as of the date of completion of each assignment.

U.S.N. officer and U.S.N. enlisted personnel

U.S.N. officer and enlisted personnel receive letters of satisfactory completion upon completion of the entire course.

Additional information

Additional information on Navy Medical Department correspondence courses may be obtained from naval district commandants, current list of Bureau of Naval Personnel training publications, and from this command.



L. J. POPE

Captain, Medical Corps, U. S. Navy
Commanding Officer
U. S. Naval Medical School

ATOMIC MEDICINE
NavPers 10701-A 1955 Edition

Recommended for ALL OFFICERS of the Medical Department.

The atomic explosions of World War II mark the beginning of a new era which has given additional responsibilities to the medical profession and created new opportunities for medical research and treatment. The rapid expansion in the field of atomic medicine has gained vital information for atomic defense and contributed significantly to other medical fields. These developments are the basis for this correspondence course which is designed to acquaint Medical Department officers with the medical problems arising from the use of atomic energy. The course material consists of relevant information from the fields of nuclear physics, physical chemistry, radiation biology and therapy. Subjects considered include the physics of atomic fission, atomic piles and bombs; the nature, biology, pathologic effects, and detection of ionizing radiations; atomic disaster planning, and measures to promote radiologic safety; and the nature of radioisotopes and their applications to medical purposes in practice and research. Recent authoritative reprints are furnished as supplementary reading material; however, questions are NOT based upon this material.

The course consists of eight (8) objective type assignments and is evaluated at twenty-four (24) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who previously completed the correspondence course, "Radiological Defense and Atomic Medicine," NavPers 10701, WILL receive additional credit for the completion of course NavPers 10701-A.

AVIATION MEDICINE PRACTICE
NavPers 10912-A 1957 Edition

Recommended for all Medical Department Personnel.

Technological development during the 20th century in the field of aviation has been so extensive that Navy aviation cannot further advance with safety unless the effect of aeronautical technology upon human physiology is adequately understood. Flight at speeds and heights now possible hinges upon the feelings, the thinking and the physiological reactions of the aviator. Navy aviation medicine seeks to understand the problem, and offers assistance to the aviator in meeting it.

The course material is designed to aid officers of the Medical Department in their understanding of the problem. Approximately the first half of the course concentrates on matters related to the physiology of flight and the selection of men who are equipped physically to withstand the severe demands of flight training. The second half of the course deals primarily with the complex field of aviation psychology, and emphasis is placed upon methods of adequately selecting well-adjusted flight personnel. As nearly as possible, the items in the course are clinical and practical. Every effort has been made to cover problems most likely to confront the practicing flight surgeon. Recent authoritative supplementary reading material is furnished with the course; however, questions are NOT based upon this material.

The course consists of six (6) objective type assignments and is evaluated at eighteen (18) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who previously completed the course, "Aviation Medicine Practice," NavPers 10912, WILL receive additional credit for the completion of course NavPers 10912-A.

BLOOD TRANSFUSION, METHODS AND PROCEDURES
NavPers 10998-1 (Revised 1957)

Recommended for all Medical Department Personnel.

This course is designed to indoctrinate personnel in the basic principles and techniques associated with the operation of blood banks, the collection and storage of blood, the preparation of plasma, the laboratory procedures including blood grouping and crossmatching, and the administration of blood and blood substitutes. In the event of emergency or national catastrophe, this additional source of personnel possessing knowledge of the art of venipuncture and transfusion processes will be most appreciated by those assigned, in the aftermath, to the organization of transfusion teams and the treatment of survivors. Recent authoritative reprints are furnished as supplementary reading material; however, questions are NOT based upon this material.

The course consists of eight (8) objective type assignments and is evaluated at twenty-four (24) Naval Reserve promotion and/or non-disability retirement points; since it is a minor revision of the correspondence course "Special Clinical Services - Blood," NavPers 10998, additional points WILL NOT be credited to Naval Reserve personnel who have completed the course NavPers 10998, the earlier edition.

CLINICAL LABORATORY PROCEDURES
NavPers 10994-A 1960 Edition
(Available 1960)

Recommended for all Medical Department Personnel.

In recent years, advances in the field of clinical laboratory techniques have contributed significantly to the physician's diagnostic abilities. This correspondence course provides Medical Department personnel with a comprehensive guide and references to intricate clinical laboratory procedures currently used in the field as well as in naval hospital laboratories. It concentrates on techniques, interpretations and limitations of various tests; alternative procedures are also suggested. The text material, prepared by the Naval Medical School, is divided into two parts. Part One includes sections on biochemistry, hematology and serology. Part Two embraces sections on pathology, bacteriology, gastrointestinal contents, urinalysis and endocrinology. The course will be especially appreciated by physicians and serve as an excellent guide for Medical Department personnel assigned to clinical laboratories and laboratory watchstanding responsibilities.

This course is new, and based upon a completely revised text of the correspondence course, "Clinical Laboratory Procedures," NavPers 10994, 1955 edition. The exact number of Naval Reserve promotion and/or non-disability retirement points for this course will be assigned at a later date. Naval Reserve personnel who previously completed the correspondence course, "Clinical Laboratory Procedures," NavPers 10994, WILL receive additional credit for the completion of course NavPers 10994-A.

COMBAT AND FIELD MEDICINE PRACTICE
NavPers 10706-A 1957 Edition

Recommended for all Medical Department Personnel.

Medical practice in combat, whether afloat or ashore, raises many complex problems which tax to the utmost the abilities of departmental personnel. The whole effort of the Medical Department achieves its ultimate purpose in medical practice during combat. The purpose of this course is to enable personnel to perform their combat functions with maximum effectiveness, to accomplish assigned missions and to "survive." This course provides them with a set of principles and flexible formulae which they can apply to varying combat conditions. The discussions presented relate to the management of battle casualties, care of neuropsychiatric casualties in combat areas, traumatic shock, medical aspects of tropical warfare, and the medical aspects of warfare in extremely cold climates.

Prevention and control of disease, and the newer concepts of management of mass casualties are predicated on the latest opinions and research, and on the combined experiences of the Armed Forces. NATO Emergency War Surgery Handbook, NAVMED P-5059, Edition 1958, is furnished as supplementary reading material; however, questions are NOT based upon this material.

The course consists of four (4) objective type assignments and is evaluated at sixteen (16) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who previously completed the correspondence course, "Combat and Field Medicine Practice," NavPers 10706, WILL receive additional credit for the completion of course NavPers 10706-A.

CONTROL OF COMMUNICABLE DISEASES IN MAN
NavPers 10772 1957 Edition

Recommended for all Medical Department Personnel.

The purpose of this course is to familiarize Medical Department personnel with the latest information on the control of communicable diseases. It is based upon Control of Communicable Diseases in Man, an official report of the American Public Health Association, eighth edition, 1955. The course covers both rare and common diseases, discussing the prevalence and etiological factors, mode of transmission, incubation period, the period of communicability, susceptibility and resistance; the laboratory diagnosis and clinical manifestations of the disease, the treatment of infected individuals, contacts, and the environmental and epidemic factors associated with preventive measures. One section, The Interviewer's Aid for VD Contact Investigation, concentrates on the methods developed and currently used to overcome the special social problems associated with venereal diseases.

Recent authoritative reprints are furnished as supplementary reading material; however, questions are NOT based upon this material. Medical Department personnel who complete this course will acquire a special knowledge and constant alertness of a much wider variety of diseases than are found within the continental limits of the United States.

The course consists of six (6) objective type assignments and is evaluated at eighteen (18) Naval Reserve promotion and/or non-disability retirement points.

HOSPITAL FOOD SERVICE MANAGEMENT
NavPers 10767 1957 Edition

Recommended for all Medical Department Personnel.

The director of a food service division in a naval hospital supervises a wide variety of technical and administrative activities. The scope of this course is to familiarize personnel with the basic principles of all food service activities. This course is based upon Hospital Food Service Manual, Publication M27-54, American Hospital Association, Chicago, 1954. Recent authoritative reprints are furnished as supplementary reading material; however, questions are NOT based upon this material.

The course emphasizes such problems as planning, staffing, staff training and food cost accounting, for these are acknowledged areas of weakness in the operation of many hospital dietary departments. Personnel who successfully complete this course will acquire an understanding of what hospital administrators look for in their dietary departments. The desire and the ability to serve and satisfy patients are the ingredients that administrators seek. They should and expect the members of the hospital dietary department to have an awareness of current professional and managerial methods. The course strives to provide new achievement goals in the direction of more efficient and effective techniques of management, production, service and supervision.

The course consists of six (6) objective type assignments and is evaluated at eighteen (18) Naval Reserve promotion and/or non-disability retirement points.

HOSPITAL PERSONNEL ADMINISTRATION
NavPers 10734 1957 Edition

Recommended for all Medical Department Personnel.

The purpose of this course is to familiarize personnel with the basic principles of hospital personnel administration as applied to any industry, and related specifically to the hospital industry, private or industrial, governmental or Armed Forces. It serves as an introduction to the primary areas of personnel administration which bear upon the special needs of naval hospitals and emphasizes the recognition of practical variations in personnel policy that are required by the particular situation.

The course is based upon the text, Hospital Personnel Administration, by Norman D. Bailey, 1954 edition. Recent authoritative reprints are furnished as supplementary reading material; however, questions are NOT based upon this material. Personnel who successfully complete this course will acquire an understanding of the principles of hospital personnel administration as they relate to the personnel of the Medical Department, and thus will assume with ease and understanding the responsibilities associated with varying conditions found in hospitals.

The course consists of five (5) assignments and is evaluated at fifteen (15) Naval Reserve promotion and/or non-disability retirement points. It is available to Regular and Reserve officers and enlisted personnel of the Medical Department.

INSECT AND RODENT CONTROL
NavPers 10705-A 1957 Edition

Recommended for all Medical Department Personnel.

Advances in knowledge of the life history and habits of pests, the introduction of new materials in building construction, and the discovery of new chemical agents have been utilized in combination to broaden our understanding of means for controlling disease vectors. In view of the foregoing, it has been possible to make pest control more effective. This course provides Medical Department personnel with information pertaining to insects and rodents--their living habits, the manner in which they spread disease, and the diseases with which they are associated. It includes instructions for proper methods utilized in preventing and correcting infestation. The course indicates the poisons used to control various kinds of pests, and the dangers involved in their use. It also advises on methods of handling materials to avoid dangerous results.

The course consists of two (2) objective type assignments and is evaluated at six (6) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who previously completed the correspondence course entitled "Insect, Pest and Rodent Control," NavPers 10705, WILL receive additional credit for completing this course.

LEGAL MEDICINE
NavPers 10766 1958 Edition

Recommended for all Medical Department Personnel.

The course is designed to acquaint personnel with the particularly important role that legal medicine plays in modern hospital administration. More and more people are now entering the areas of patient care, and although they assume their responsibilities trained and prepared to administer their varied activities, there is constantly present the element of possible liability for their acts.

The text for this course is Law of Hospital, Physician, and Patient, by Hayt, Hayt and Groeschel, second edition, 1952. Recent supplementary reading material prepared by Emanuel Hayt is furnished. However, questions are NOT based upon this material. The course coaches personnel subtly against their own legal concern as it discusses hospital organization, liability, care of the patient, confidential communication, and contractual relationships. Throughout the text material, legal and technical terms are simplified for the layman and typical cases with legislative and court decisions are cited. Of special importance to the Naval Medical officer is the section entitled, "Immunities and Liabilities of Government Hospitals," which enables him to apply the general information of the rest of the text material to his particular problems. The course will prove to be an invaluable training for physicians, hospital administrators and those concerned with the profession of medical and hospital care.

The course consists of eight (8) objective type assignments and is evaluated at twenty-four (24) Naval Reserve promotion and/or non-disability retirement points.

LOW TEMPERATURE SANITATION
AND COLD WEATHER MEDICINE
NavPers 10997-A 1957 Edition

Recommended for all Medical Department Personnel.

Today, maximum preparedness for operations in low temperature areas is imperative to national security, in view of the now obvious strategic significance of the Arctic, and the unique character of mass-destruction weapons, unprecedented in past military action. The purpose of this correspondence course is to provide personnel with general principles and practices basic to the construction of sanitation installations in low temperatures, emphasizing permanent installations. The operational briefs, NavMed P-5053, presented in this course are not intended as final authority. Recent authoritative reprints are furnished as supplementary reading material; however, questions are NOT based upon this material.

The course concentrates on the following discussions: the peculiar biological circumstances brought about by a cold climate related first to water supply, then to sewage and garbage disposal; utility construction costs and the sanitation problems of non-permanent installations. Medical aspects include sections on cold injury, carbon monoxide poisoning, snow blindness, insect control, parasitic worms, psychological problems, and dentistry.

The course consists of three (3) objective type assignments and is evaluated at nine (9) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who previously completed the correspondence course "Frigid Zone Medical and Dental Practice," NavPers 10997, WILL receive additional credit for the completion of course NavPers 10997-A.

MANUAL OF THE MEDICAL DEPARTMENT, PART I
NavPers 10708-2 (Revised 1959)

MANUAL OF THE MEDICAL DEPARTMENT, PART II
NavPers 10709-2 (Revised 1959)
(Available 1959)

Recommended for all Medical Department Personnel.

These courses are designed to enable Medical Department personnel to familiarize themselves with the functions of administration, organization, and management of facilities exercised by the Bureau of Medicine and Surgery. Completion of these courses will enable the enrollee to acquire essential knowledge of the significant functions of the Medical Department in its relation to the Naval Establishment ashore or afloat in all of its far-flung activities, and to increase the enrollee's over-all efficiency.

Because of the extent of the material, it has been divided into two parts. Each of the TWO parts is administered and credited as a complete course in itself. The TWO courses are described here together because they deal with different parts of the same subject.

MANUAL OF THE MEDICAL DEPARTMENT, PART I
NavPers 10708-2 (Revised 1959)

In addition to the delineation of authoritative methods and procedures, the material embraces discussions of approved essential organizational structure of all types of Medical Department components; these range from the Bureau of Medicine and Surgery, through the various field agencies in all areas of activities, in the regional and district medical staffs, to medical department organization in ships and on shore stations.

Since the Medical Department is guided in matters of administration by Navy Regulations, current directives of the Bureau of Medicine and Surgery, and the Manual of the Medical Department, certain chapters of the Manual have been selected as the principal text for the course. The text constitutes chapters 1 through 14, 17, 18, 20, 21 and 22. It incorporates page changes 1 through 6 and is a minor revision of the previous course. SECNAV Instructions 6320.8 and 6320.9 relating to the Medical Service--Dependents' Medical Care, and Comptroller Fiscal Policies--Dependents' Medical Care and BUPERS Instruction 1750.5A as reflected in BUPERS Notice 1750 of 8 May 1957, are furnished as supplementary reading material. However, questions are NOT based upon this material.

The course consists of nine (9) objective type assignments and is evaluated at twenty-four (24) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who previously completed course NavPers 10708-1, WILL NOT receive additional credit for completing the revised course, NavPers 10708-2.

MANUAL OF THE MEDICAL DEPARTMENT, PART II
NavPers 10709-2 (Revised 1959)
(Available 1959)

The course provides Medical Department personnel with authoritative standards, methods and procedures as they apply chiefly to three areas: one concerns matters of property and fiscal management; another pertains to the forms and reports used on various occasions, and the maintenance of proper records; the third concentrates on the proper application of standards for the physical examination of Navy personnel. Material relating to treaties and conventions which is of special significance for personnel of the Medical Department is also included.

The text constitutes chapters 15, 16, 23, 25, 26 and Appendix A. Page changes 1 through 6 have been incorporated in this material, reflecting changes in foregoing chapters. Additional material is taken from Army Regulations 40-503 (new 1956) entitled Physical Standards and Physical Profiling for Enlistment and Induction.

The course consists of eight (8) objective type assignments and is evaluated at eighteen (18) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who previously completed course NavPers 10709-1, WILL NOT receive additional credit for completing the revised course, NavPers 10709-2.

MEDICAL DEPARTMENT ORIENTATION
NavPers 10943-A 1956 Edition

Recommended for all Medical Department Personnel.

The purpose of this course is to acquaint the enrollee with the responsibilities, functions, and facilities of the Navy medical and dental services. It provides instruction in the application of professional abilities and practices to Navy requirements. The course material concentrates on the history of the development of the Medical Department; organization and growth of the Bureau of Medicine and Surgery; detailed information on the organization, facilities and services of the National Naval Medical Center, naval hospitals, hospital ships, infirmaries, station hospitals, dispensaries, and field mobile hospitals. Recent authoritative reprints are furnished as supplementary reading material; however, questions are NOT based upon this material. The course is presently in the process of revision.

This course consists of two (2) objective type assignments and is evaluated at six (6) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who satisfactorily completed course NavPers 10943, WILL receive credit for this course upon satisfactory completion.

MEDICAL SERVICE IN JOINT OVERSEA OPERATIONS
NavPers 10769 1957 Edition

Recommended for all Medical Department Personnel.

The purpose of this course is to familiarize senior staff officers of the Armed Forces with the general doctrines, organization, and practices of the joint medical services of the Army, Navy and Air Force, and with problems involved in the employment of these medical services in joint oversea operations. The course material concentrates on the over-all mission of military-medical service and includes a brief consideration of each of the medical services individually. The technique of employment of joint medical service is discussed from the aspects of the estimate, the plan, and the operation. Throughout the text, the use of technical medical terminology and doctrine has been deliberately avoided. Discussions concerning the unilateral employment of each medical service provide background information and delineate certain responsibilities.

The course consists of two (2) objective type assignments and is evaluated at six (6) Naval Reserve promotion and/or non-disability retirement points.

PHARMACY AND MATERIA MEDICA
NavPers 10999-1 1960 Edition
(Available 1960)

Recommended for all Medical Department Personnel.

This course is a timely revision of the correspondence course "Pharmacy and Materia Medica," NavPers 10999. It is designed to provide Medical Department personnel with supplementary information in the fields of pharmacy, materia medica and toxicology. The course is not intended to represent a complete treatise on pharmacy and materia medica; however, it contains sufficient principles to serve as a foundation for further study. The course material discusses pharmaceutical procedures and arithmetic, prescriptions, and preparations. The origin, composition, and properties of medicinal substances are also included. The course embraces such subjects as pharmacognosy, pharmacy, pharmaceutical chemistry, pharmacology, therapeutics, posology, and toxicology.

Recent authoritative supplementary reading material is furnished with this course; however, questions are NOT based upon this material. The course will be especially appreciated by physicians, pharmacy and chemistry technicians, hospital corps watchstanding personnel, and all personnel contemplating a course of instruction in pharmacy technique. The completion of this course will endow the enrollee with a deeper appreciation of his professional responsibilities.

The course consists of eight (8) objective type assignments and is evaluated at twenty-four (24) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who have completed the correspondence course entitled "Pharmacy and Materia Medica," NavPers 10999, WILL NOT receive additional credit for course NavPers 10999-1.

PHYSICAL MEDICINE IN GENERAL PRACTICE
NavPers 10735 1958 Edition

Recommended for all Medical Department Personnel.

Since World War II, great advances have been made in physical medicine, especially with regard to therapeutic techniques for the treatment of physically disabled. This course, written for the general practitioner, is an up-to-date survey embracing the entire field of physical medicine. It is based upon Physical Medicine in General Practice, edited by Bierman and Licht, 1952 edition. Recent authoritative reprints are furnished as supplementary reading material; however, questions are NOT based upon this material.

Special emphasis is placed on simple and practical procedures that can be performed aboard ship or at small medical facilities without costly equipment or specialized training conditions. However, more complex and demanding techniques are also explained. Familiarity with the simple procedures will enable Medical Department personnel to apply them to specific clinical problems and knowledge of the more complicated methods and applications will prepare personnel for collaboration with physical therapy specialists.

The course consists of seven (7) objective type assignments and is evaluated at twenty-one (21) Naval Reserve promotion and/or non-disability retirement points.

RADIOISOTOPES IN MEDICINE
NavPers 10773 1958 Edition

Recommended for all Medical Corps Officers.

In recent time, perhaps no single development has stimulated the imagination of scientists as has the radioisotope. The use of radioactive substances in medicine began soon after the discovery of radium and expanded rapidly in the decades between the two World Wars. However, it was not until the development of the nuclear reactor during World War II that a large assortment of artificially produced radioisotopes, in appreciable quantities and at a practical price, became generally available for medical use. Rapid advancement in radiomedical research has brought isotopology in a few short years to the status of a major branch of medical science.

This correspondence course will be of special interest to all Medical Corps officers. It is based on Radioisotopes in Medicine, the papers presented at the actual course given by the Oak Ridge Institute of Nuclear Medicine. The lecturers were selected because of their reputation in some specific application of radioisotopes and represented all sections of the country. The work was accomplished under contract with the United States Atomic Energy Commission. The course is intended as a study of a fairly well-known body of knowledge and is definitely not to be considered a seminar on research. Recent authoritative reprints are furnished as supplementary reading material; however, questions are NOT based upon this material.

The course provides Medical Corps officers with the proceedings of the second advanced medical course given at the Institute of Nuclear Medicine and emphasizes practical clinical radioisotope techniques. It will also furnish the enrollee with new vistas into the vast number of potential medical applications of radioisotopes, still unexplored.

The course consists of seven (7) objective type assignments and is evaluated at twenty-one (21) Naval Reserve promotion and/or non-disability retirement points.

SUBMARINE MEDICINE PRACTICE
NavPers 10707-A 1958 Edition

Recommended for all Medical Department Personnel.

The recent unprecedented venture of the Nautilus has given true significance to submarine capability. The nuclear-powered fleet envisaged for the future, pioneered by dedicated personnel in the service, is well underway. It is a magnificent tribute to technological achievement.

This correspondence course should be of special interest to all Medical Department personnel. It is based upon Submarine Medicine Practice, NavPers 10838-A, the highlights of the latest developments and accumulated experience resulting from years of research and investigations. Designed as a comprehensive guide, it can be utilized for training Medical Department personnel in the many intricate problems associated with submarine medicine practice. The course includes discussions pertaining to personnel selection and assessment procedures, improvement of submarine habitability factors, solution of human engineering problems aboard submarines, submarine escape and rescue operations, and the medical aspects of all other undersea operational problems directed toward the improvement of the military effectiveness of the Submarine and Amphibious Forces.

"Radiation Exposure Patterns Aboard the USS Nautilus," a timely, authoritative reprint, is furnished as supplementary reading material; however, questions are NOT based upon this material. Since nuclear submariners are at present drawn from conventional submariners, this course provides valuable background information not only in the principles of submarine service but also in the basic screening of nuclear submariners. It will open the door to new and unlimited opportunities for increased knowledge and greater contributions to research in the medical problems associated with nuclear mobility.

The course consists of six (6) objective type assignments and is evaluated at eighteen (18) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who previously completed course NavPers 10707, WILL receive additional credit for the completion of course NavPers 10707-A.

TREATMENT OF CHEMICAL WARFARE CASUALTIES
NavPers 10765 1958 Edition

Recommended for all Medical Department Personnel.

Modern chemical warfare began with the use of chlorine gas by the German Army in 1915. This new kind of warfare had a psychological effect. Coupled with misleading propaganda and a lack of knowledge of the specific chemical agents used, it resulted in unfounded fear in the troops and misdiagnoses by medical personnel. As a result of better understanding of the physiological and psychological effects of chemical warfare agents, military personnel are better equipped to cope with gas attacks than were military personnel in the past.

The purpose of this course is to provide personnel with important self-aid techniques for battlefield treatment of chemical warfare injuries, and to assist the enrollee in explaining these techniques to individuals who may encounter gas warfare situations. The course also describes the methods of detecting and identifying agents, techniques of identifying casualties and noncasualties, and methods of protecting personnel prior to exposure to chemical agents. The physiological and psychological effects of each agent are discussed, together with the recommended treatment for each. In the event of a future chemical warfare situation, personnel who have completed this course will possess an awareness of the important self-aid techniques for battlefield treatment of chemical warfare injuries. Knowledge of the properties and effects of these agents will assist personnel in the prevention of dangerous psychological effects to military personnel.

The course consists of three (3) objective type assignments and is evaluated at nine (9) Naval Reserve promotion and/or non-disability retirement points.

TROPICAL MEDICINE IN THE FIELD
NavPers 10995 (Revised 1958)

Recommended for all Medical Corps Officers.

During World War II, tropical diseases caused more casualties in many areas than did enemy action. Such diseases have long been a serious deterrent to successful military operations in the tropics. The added experience of the recent wars has naturally heightened military interest in tropical medicine and especially in the application of the many recent advances in medicine to the treatment of tropical diseases.

The purpose of this course is to provide a concise guide in tropical medicine not only for the physician practicing in the tropics, but also for the physician in temperate zones who may be encountering tropical diseases of servicemen and others returning to the United States after a tour of duty in the tropics. The course is based upon A Manual of Tropical Medicine, by Mackie, Hunter and Worth, second edition, 1954; it covers the essential practical aspects of epidemiology, diagnosis, treatment and prophylaxis of the more important tropical diseases. Recent authoritative reprints are furnished as supplementary reading material. However, questions are NOT based upon this material.

Laboratory analysis plays an especially helpful and dramatic role in the diagnosis of diseases in indigenous personnel in tropical areas where the language barrier may make a provisional diagnosis difficult. Another factor to be considered is that natives of tropical areas may react to local diseases with symptoms very unlike those exhibited by non-natives. The text material stresses the importance of military medicine and special effort has been directed to the condensation of information essential for the Armed Forces, the clinician, the field worker, and the student of tropical medicine.

The course consists of twelve (12) objective type assignments and is evaluated at thirty-six (36) Naval Reserve promotion and/or non-disability retirement points. Naval Reserve personnel who previously completed the correspondence course "Tropical Medicine in the Field," NavPers (none), edition 1950, WILL receive additional credit for the completion of course NavPers 10995.

X-RAY PHYSICS AND TECHNIQUE
NavPers 10702-A 1959 Edition
(Available 1959)

Recommended for all Medical Department Personnel.

The course is designed to acquaint personnel with general information on the theories of X rays and electricity, the operation of many types of X-ray machines, and practical applications of roentgenographic technique to various medical problems. It is taught entirely by correspondence and satisfactory completion does not qualify an individual for certification as a technician. However, completion of the course will provide physicians as well as X-ray technicians and watchstanding personnel with an informative background regarding the fundamental principles of X-ray physics and technique including biological hazards involved. The course will be of special interest to personnel responsible for the training of qualified technicians in the field.

This course is new, and based upon a completely revised text of the correspondence course, "X-ray Physics and Technique," NavPers 10702, 1956 edition. The exact number of Naval Reserve promotion and/or non-disability retirement points for this course will be assigned at a later date. Naval Reserve personnel who previously completed the correspondence course, "X-ray Physics and Technique," NavPers 10702, WILL receive additional credit for the completion of course NavPers 10702-A.

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